

Serial Number 10/501,327

AMENDMENTS TO DRAWINGS

Please amend Figs. 1-3 to label the black boxes, as required on page 3 of the Official Action.

REMARKS

Reconsideration of the application is respectfully requested for the following reasons:

1. Objection to the Drawings Under 37 CFR 1.121(d)

This objection has been addressed by deleting w0 from line 2 on page 8 of the specification. Since w0 has been deleted from the specification, it is respectfully submitted that it no longer needs to be shown in the drawings.

2. Objections to the Specification

The objections to the specification have been addressed as follows:

- a. Page 8, lines 15-25 has been amended to give an explanation for Wstrip in integral-sinus functions, as required by the Examiner in item 4 on page 2 of the Official Action, by inserting the definition of an “integral-sinus function” and by adding the field distribution equation (which includes the sum of four integral-sinus functions, as described in the original specification).

It is noted that the field distribution equation added to the specification is the square root of the intensity function shown in Fig. 5a. The reason that the intensity is shown in the drawings, rather than the function itself, is that the detector as well as the human eye can see the field intensity only, which is exactly the square of the field distribution function referred-to in the specification.

Because the amendments simply spell out the derivation described in the original specification and shown in the drawings, based on the known definition of integral-sinus function, it is respectfully submitted that the addition does not involve “new matter.”

- b. Page 3, lines 28-29 have been deleted to eliminate the reference to claims as required in the last sentence on page 2 of the Official Action.
- c. In line 29 on page 14, "2,5" has been changed to -2.5-, as required in the first sentence on page 3 of the Official Action.
- d. The claims have been amended to delete reference numerals.
- e. The specification has been amended to include headers.
- f. Labels have been added to the black boxes in Figs. 1-3.

3. Objections to Claims

These objections have been addressed by amending the claims in the manner suggestion in item 4 on page 3 of the Official Action. In addition, each of instance of "characterised" has been changed to -characterized-, and "centre" to -center-, in order to conform to American rather than British spellings. The claims have not otherwise been amended, except to delete reference numerals.

4. Copending Application-Double Patenting

The Applicant wishes to bring to the attention of the Examiner, copending application Ser. No. 10/474,737, which has now been published as US 2004/0104360.

Claims 20-21 of the present application have been canceled in order to avoid a double patenting rejection previously made in the copending application. The claims do not otherwise conflict.

Having thus overcome each of the objections made in the Official Action, withdrawal of the objections and expedited passage of the application to issue is requested.

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Respectfully submitted,

BACON & THOMAS, PLLC

A handwritten signature in black ink, appearing to be 'B. Urcia', with a long horizontal flourish extending to the right.

By: BENJAMIN E. URCIA
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